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Gaps

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Indels

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180 231 240 291

171

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351

360

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AAB58220 RESULT

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352 TKMSASDPNSSIFLTDTAKQIKTKVNKHAFSGGRDTIEEHRQFGGNCDVDVSFMYLTFFL 411
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                                                                                                                                                112 GSSKIDKELINRIERATGQRPHHFLRRGIFFSHRDWNQVLDAYENKKPFYLYTGRGPSSE
                                                                                                                                                                                                                                                                                                                                                                                                 52 MSYKAAAGEDYKADCPPGNPAPTSNHGPDATEAEEDFVDPWTVQTSSAKGIDYDKLIVRF
                                                                                                                          GSSKIDKELINRIERATGORPHHFLRRGIFFSHRDMNQVLDAYENKKPFYLYTGRGPSSE
                                                                                                                                                                                                                                   172 AMHVGHLIPFIFTKWLQDVFNVPLVIQMTDDEKYLWKDLTLDQAYSYAVENAKDIIACGF
                                                                                                                                                                                                                                                                                               DINKTFIFSDLDYMGMSSGFYKNVVKIQKHVTFNQVKGIFGFTDSDCIGKISFPAIQAAP
                                                                                                                                                                                                                                                                                                                     DINKTFIFSDLDYMGMSSGFYKNVVKIQXHVTFNQVKGIFGFTDSDCIGKISFPAJQAAP
                                                                                                                                                                                                                                                                                                                                                                                SFSNSFPQ1FRDRTD1QCL1PCA1DQDPYFRMTRDVAPR1GYPKPALLHSTFFPALQGAQ
                                                                                                                                                                                                                                                                                                                                                                                                                                                            TKMSASDPNSSIFLTDTAKQIKTKVNKHAFSGGRDTIEEHRQFGGNCDVDVSFMYLTFFL
                                                                                                                                                                                                           AMHVGHLIPFIFTKWLQDVFNVPLVIQMTDDEKYLWKDLTLDQAYGDAVENAKDIIACGF
                                     1 MSYKAAAGEDYKADCPPGNPAPTSNHGPDATEAEEDFVDPWTVQTSSAKGIDYDKLIVRF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               HCMV inducible gene; cig; human; human cytomegalovirus; interferon; anti-viral therapy; anti-HCMV therapy; detection; diagnosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Human HCMV inducible gene protein, SEQ ID NO 12.
Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Claim 3; Page 112-114; 184pp; English.
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Conservative
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N-PSDB; AAX33942.
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422;
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                   420
                                                             467
                                                                                                                                                                                                                                                                                                                                                                                                                                      cardioactive; immunomodulatory; muscular active; vulnerary; gastrointestinal; nephrotropic; antiinfective; gynecological; antihacterial; diagnosis; neural disorder; immune disorder; reproductive; proliferative disorder; wound healing; infectious disease.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         cancer associated gene sequences, referred to as lung cancer
gens, useful for treatment, prevention, and diagnosis of disorders
                                         EDDDKLEQIRKDYTSGAMLTGELKKALIEVLOPLIAEHOARRKEVTDEIVKEFMTPRKLS
                 EDDDKLEQIRKDYTSGAMLTGELKKALIEVLOPLIAEHQARRKEVTDEIVKEFMTPRKLS
                                                                                                                                                                                                                                                                                                                                                                                                                     Human; lung cancer associated protein; neuroprotective; cytostatic;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 2231; DB 21; Length 475;
pred. No. 2.7e-220;
                                                                                                                                                                                                                                                                                                                                                                           Lung cancer associated polypeptide sequence SEQ ID 558
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Claim 11; Page 1052-1053; 1425pp; English.
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                                                                                                                                                                                                                                                                                                                                    (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WPI; 2000-587514/55.
N-PSDB; AAF18096.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               antigens, useful for
such as lung cancer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity
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                                                                                                  FDFQ 424
                                                                                                                                          FDFO 471
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genes (cig or cigs). The invention also relates to genes that are repressed in the presence of HCMV infection, designated HCMV-repressible genes (crg or crgs). The products can be used to obtain agents which can be used for anti-viral therapy, particularly anti-HCMV therapy. They can also be used for the development of drugs that would allow for higher dosage IFN treatments without the concomitant toxicity normally associated with administering high levels of IFN. The products can also be used for detection, diagnosis and drug screening.
                                                                                                                                                                                                                                                                                             167
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                                                                                                                                                                                                                                  MSYKAAAGEDYKADCPPGNPAPTSNHGPDATEAEEDFVDPWTVQTSSAKGIDYDKLIVRF
                                                                                                                                                                                                                                                              GSSKIDKELINRIERATGQRPHHFLRRGIFFSHRDMNQVLDAYENKKPFYLYTGRGPSSE
                                                                                                                                                                                                                                                                                                                                  DINKTFIFSDLDYMGMSSGFYKNVVKIQKHVTFNQVKGIFGFTDSDCIGKISFPAIQAAP
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                                                                                                                                                                                                                                                                                                                  AMHVGHLIPFIFTKWLQDVFNVPLVIQMTDDEKYLWKDLTLDQAYGDAVENAKDIIACGF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            T2; tryptophanyl-tRNA synthase; TrpRS; ocular neovascularisation; neovascular eye disease; age-related macular degeneration; ocular complication; diabetes; rubeotic glaucoma; retinopathy; prematurity; keratitis; ischaemic retinopathy; sickle cell; pathological myopic; ocular histoplasmosis; pterygia; T1; punitate innerchoroidopathy; retinal degeneration; growth factor; vascularisation; vascular endothelial cell function; angiogenesis.
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                                                                                                                                                        Length 471;
                                                                                                                                                                                   Indels
                                                                                                                                                     Score 2226; DB 20;
Pred. No. 8.8e-220;
Mismatches 3;
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                                                                                                                                                                             Matches 421; Conservative
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                                                                                                                          471 AA;
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                                                                                                                          Sequence
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22-FEB-2002; 2002WO-US05185.

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This sequence represents a novel cleavage product, T1, of
recombinant human tryptophanyl-tRNA synthase (TrpRS). A related
cleavage product, T2, is water soluble and comprises residues 94-471
of full length TrpRS. The water soluble and comprises residues 94-471
of full length TrpRS. The water soluble and comprises residues 94-471
of full length TrpRS. The water soluble T2 polypeptide is useful for
is useful for treating neovascular eye diseases, e.g. age-related macular
cleavention, coular complications of diabetes, rubeotic glaucoma,
retinopathy of prematurity, keratitis, ischaemic retinopathy (e.g.
sickle cell), pathological myopic, ocular histoplasmosis, pterygia, or
punitate innerchoroidopathy. This polypeptide is particularly useful
contreating retinal degeneration to prevent the damaging effects of
crophic and growth factors, and for promoting vascularisation to retard
retinal degeneration by enhancing blood flow to cells. These are also
cuseful for regulating vascular endothelial cell function, and in
controllar, for inhibiting anglogenesis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         300
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             9
                                                                                                                                                        New polypeptides derived from human tryptophanyl-tRNA synthase, useful for inhibiting ocular neovascularization in a patient, or for treating neovascular eye diseases, e.g. rubeotic glaucoma, retinopathy,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 SNHGPDATEAEEDFVDPWTVQTSSAKGIDYDKLIVRFGSSKIDKELINRIERATGGRPHH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             24 SNHGPDATEAEEDFVDPWTVQTSSAKGIDYDKLIVRFGSSKIDKELINRIERATGQRPHH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      241 IDQDPYFRMTRDVAPRIGYPKPALLHSTFFPALQGAQTKMSASDPNSSIFLTDTAKQIKT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        LVIOMTDDEKYLWKDLTLDQAYGDAVENAKDIIACGFDINKTFIFSDLDYMGMSSGFYKN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             VVKIQKHVTFNQVKGIFGFTDSDCIGKISFPAIQAAPSFSNSFPQIFRDRTDIQCLIPCA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  264 IDQDPYFRMTRDVAPRIGYPKPALLHSTFFPALQGAQTKMSASDPNSSIFLTDTAKQIKT
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100.0%; Pred. No. 1.4e-208;
iive 0; Mismatches 0;
                                                                                         Σ
                                                                                       Friedlander
                                                                                                                                                                                                                                               Example 1; Page 78-79; 83pp; English.
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                                                                                     Wakasugi K,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Matches 401; Conservative
                                                  (SCRI ) SCRIPPS RES INST
                                                                                                                                                                                                              keratitis, or pterygia
                                                                                                                        WPI; 2002-698635/75.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         401 AA;
                                                                                   Schimmel P,
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